

# REGISTRATION/SPECIAL CORRECTION WORK SHEET

For use of this form, see FM 6-40; the proponent agency is TRADOC.

## SECTION I. REGISTRATION COMPUTATION


### ACHIEVED RANGE

1	CHART RANGE	(10 METERS)
2	REGISTERING PIECE DISPLACEMENT (F-/B+)	(10 METERS)
3	ACHIEVED RANGE ( <u>1</u> + <u>2</u> )	(10 METERS)

### REGISTERING PIECE DISPLACEMENT CORRECTION

4	LATERAL DISPLACEMENT (L/R)	(5 METERS)
5	ACHIEVED RANGE ( <u>3</u> )	(10 METERS)
6	REGISTERING PIECE DISPLACEMENT CORRECTION ( <u>4</u> ÷ <u>5</u> ) L + /R-	(1 MIL)

### DEFLECTION CORRECTION

7	CORRECTED DEFLECTION (REGISTRATION)	(1 MIL)
8	REGISTERING PIECE DISPLACEMENT CORRECTION <u>6</u> (L + /R)	(1 MIL)
9	ADJUSTED DEFLECTION ( <u>7</u> + <u>6</u> )	(1 MIL)
10	CHART DEFLECTION	(1 MIL)
11	TOTAL DEFLECTION CORRECTION ( <u>9</u> - <u>10</u> ) (L + /R-)	(1 MIL)
12	DRIFT CORRECTION (  ADJUSTED ELEVATION ) (L)	(1 MIL)
13	GRAPHICAL FIRING TABLE (GFT) DEFLECTION CORRECTION ( <u>11</u> - <u>12</u> )	(1 MIL)

### GFT SETTING (MANUAL METHOD)

							DEFLECTION CORRECTION	
14	GFT	CHARGE	LOT	RANGE	ELEVATION	TIME	TOTAL	GFT
15	GFT	CHARGE	LOT	RANGE	ELEVATION	TIME		
16	GFT	CHARGE	LOT	RANGE	ELEVATION	TIME		

### GFT SETTING (COMPUTER METHOD)

17	BCS AMMUNITION AND FIRE UNIT REGISTRATION	RANGE	RANGE CORRECTION	TIME CORRECTION	DEFLECTION CORRECTION
18	HAND-HELD CALCULATOR RESIDUALS	DEFLECTION CORRECTION	FUZE K	RANGE K	
19	FADAC RESIDUALS	DEFLECTION <sub>+</sub> <sup>-</sup>	FUZE <sub>+</sub> <sup>-</sup>	RANGE K <sub>+</sub> <sup>-</sup>	

REMARKS

## SECTION II. HASTY CORRECTIONS

INITIAL CHART DATA		DEFLECTION		RANGE		TARGET		DATE-TIME GROUP	
P L A T O O N	POSITION LATERAL CORRECTION (LEFT/RIGHT)	HASTY POSITION DEFLECTION CORRECTION ~ (a)	PLATOON COMPARATIVE MUZZLE VELOCITY VARIATION	HASTY MUZZLE CORRECTION ~ (c)	POSITION RANGE CORRECTION (FORWARD - BACK + )	HASTY POSITION QUADRANT ELEVATION CORRECTION	TOTAL QUADRANT ELEVATION CORRECTION (d) + (f) =	CORRECTED QUADRANT ELEVATION - SITE FIRED = ELEVATION	TIME TO FIRE (ELEVATION GAGE LINE OVER (h) READ TIME
	a	b	c	d	e	f	g	h	i
	5 METERS	AS LISTED	0.1 METER PER SECOND	AS LISTED	5 METERS	AS LISTED	1 MIL	1 MIL	0.1

## SECTION III. SPECIAL CORRECTIONS

INITIAL CHART DATA				DEFLECTION		RANGE		TARGET		DATE-TIME GROUP		
P L A T O O N	G U N  N U M B E R	POSITION LATERAL CORRECTION (LEFT/RIGHT)	100/R ( GRAPHICAL FIRING TABLE)	POSITION DEFLECTION CORRECTION (LEFT/RIGHT) $\frac{(a) \times (b)}{100}$	PLATOON COMPARATIVE VELOCITY ERROR (INCREASE/ DECREASE)	MUZZLE VELOCITY UNIT CORRECTION FACTOR (TABLE F. APPROPRIATE FT) DECREASE + INCREASE -	MUZZLE VELOCITY RANGE CORRECTION (d) x (e) =	POSITION RANGE CORRECTION (FORWARD -) (BACK +)	TOTAL RANGE CORRECTION (f) + (g) =	POSITION QUADRANT ELEVATION CORRECTION (h) ÷ COLUMN 5 TABLE F APPROPRIATE FT)	CORRECTED RANGE (h) ≈ 10 METERS + INITIAL RANGE)  ( )	TIME TO FIRE (FUZE SETTING ~ (j)
		a	b	c	d	e	f	g	h	i	j	k
		5 METERS	1 MIL	1 MIL	0.1 METER PER SECOND	0.1 METER	1 METER	5 METERS	1 METER	1 MIL	10 METERS	0.1